

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/07/2015 10:54 AM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123810	-1	3.05	123660	3.03
Blue	F	SSC	125000	124364	-1	2.97	125316	2.67
Blue	E	FITC	17998	17483	-3	2.47	988	8.69
Blue	D	PE	23234	22535	-4	2.02	1018	7.91
Blue	B	PerCP-Cy5-5	69571	68062	-3	2.72	1786	12.95
Blue	A	PE-Cy7	77815	77607	-1	3.81	1015	25.03
Red	C	APC	65936	65047	-2	2.53	3676	7.84
Red	A	APC-Cy7	100669	99524	-2	2.58	1966	7.66
Violet	B	V450	10405	9995	-4	3.84	622	8.57
Violet	A	V500	47250	45890	-3	3.53	2595	5.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19203	14.45	601	22	N/A	N/A	Pass
Blue	F	SSC	62163	1.71	513	24	N/A	N/A	Pass
Blue	E	FITC	107	34.21	528	13	0.0265	100	Pass
Blue	D	PE	210	23.32	521	14	0.1745	102	Pass
Blue	B	PerCP-Cy5-5	217	38.68	606	16	0.0115	0	Pass
Blue	A	PE-Cy7	75	94.98	664	18	0.0146	1	Pass
Red	C	APC	342	26.30	584	6	0.0230	76	Pass
Red	A	APC-Cy7	123	37.06	565	6	0.0052	817	Pass
Violet	B	V450	66	43.51	467	17	0.0411	1754	Pass
Violet	A	V500	170	21.89	507	19	0.0151	335	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/07/2015 10:54 AM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.68	-31.36	0.72
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.18
Red	15.74	13.07 - 19.61	N/A	N/A	31.73	32.18	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 13487

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments